

**Appendix 7-A**  
**DRILL HOLE LOGS**

# Hole 1 Up

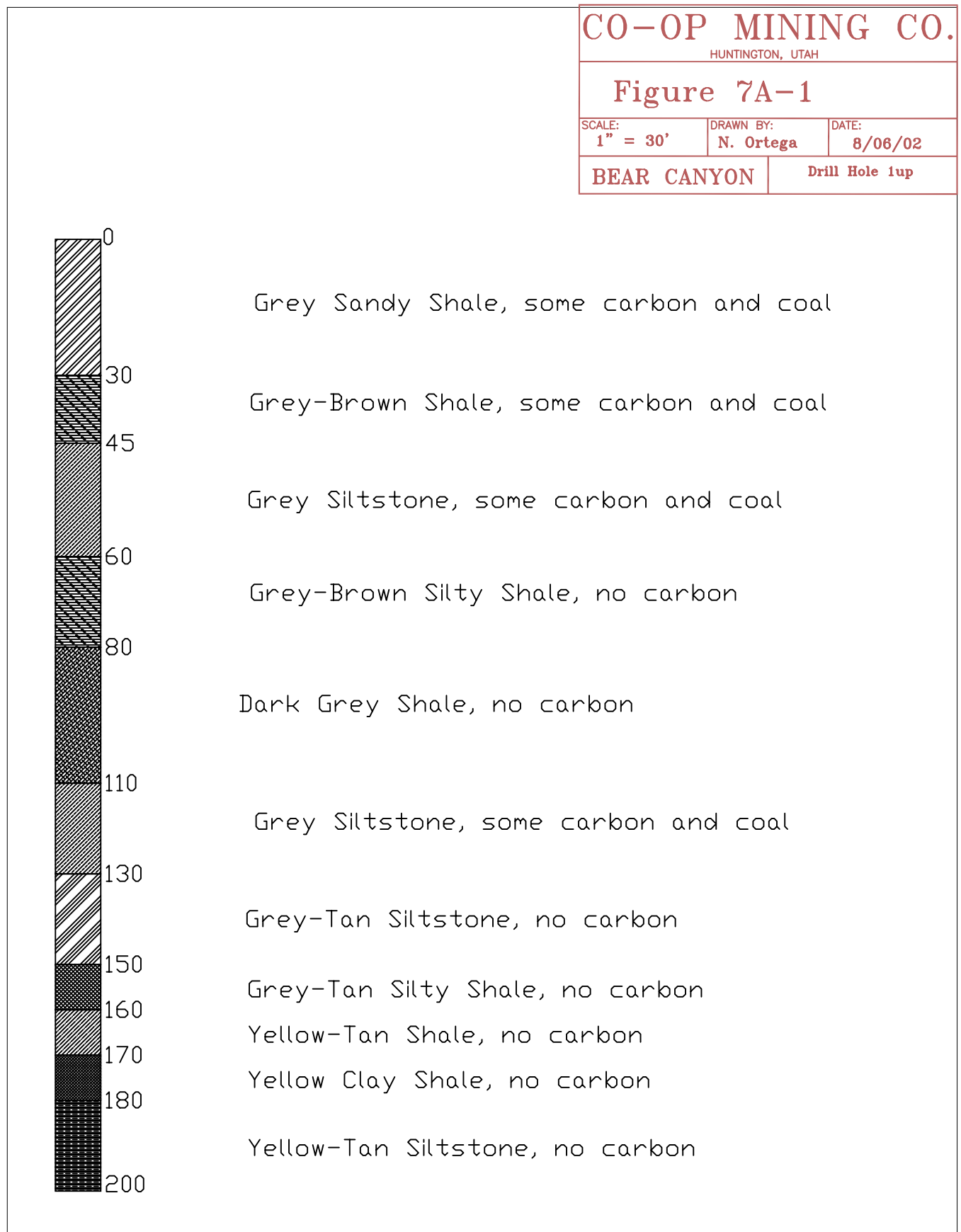


Figure 7A-1 Log, Drill Hole 1 up

# Hole 2 Up

**CO-OP MINING CO.**

HUNTINGTON, UTAH

**Figure 7A-2**

SCALE:

1" = 30'

DRAWN BY:

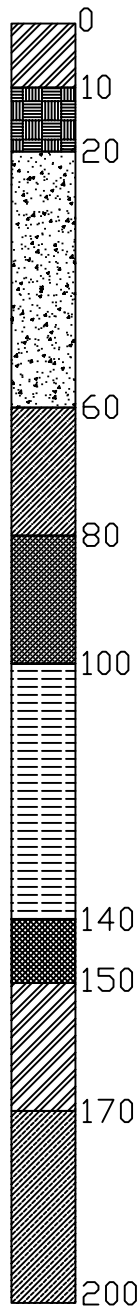
N. Ortega

DATE:

8/06/02

**BEAR CANYON**

**Drill Hole 1up**



Grey-Clayey Shale, some carbon and coal

Grey Clay, some carbon and coal

Yellow-Tan Silty Shale, no carbon

Yellow-Tan Shale, no carbon

Yellow-Tan Clayey Shale, no carbon

Tan Siltstone, no carbon

Tan-Grey Silty Shale, no carbon

Grey Shale, no carbon

Grey Siltstone, some carbon and coal

Figure 7A-2 Log, Drill Hole 2 up

# Hole 1 Down

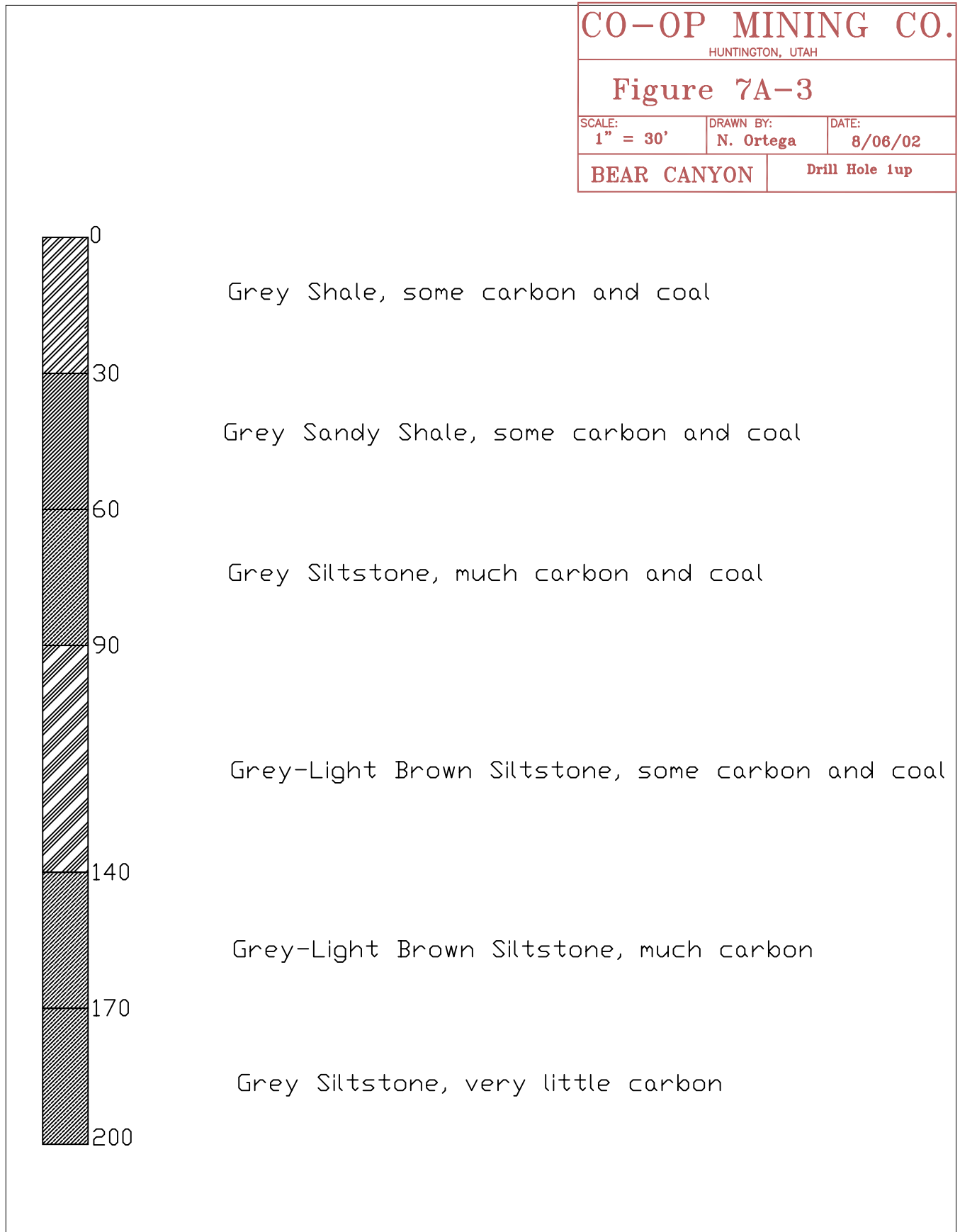


Figure 7A-3 Log, Drill Hole 1 Down

# Hole 6 Down

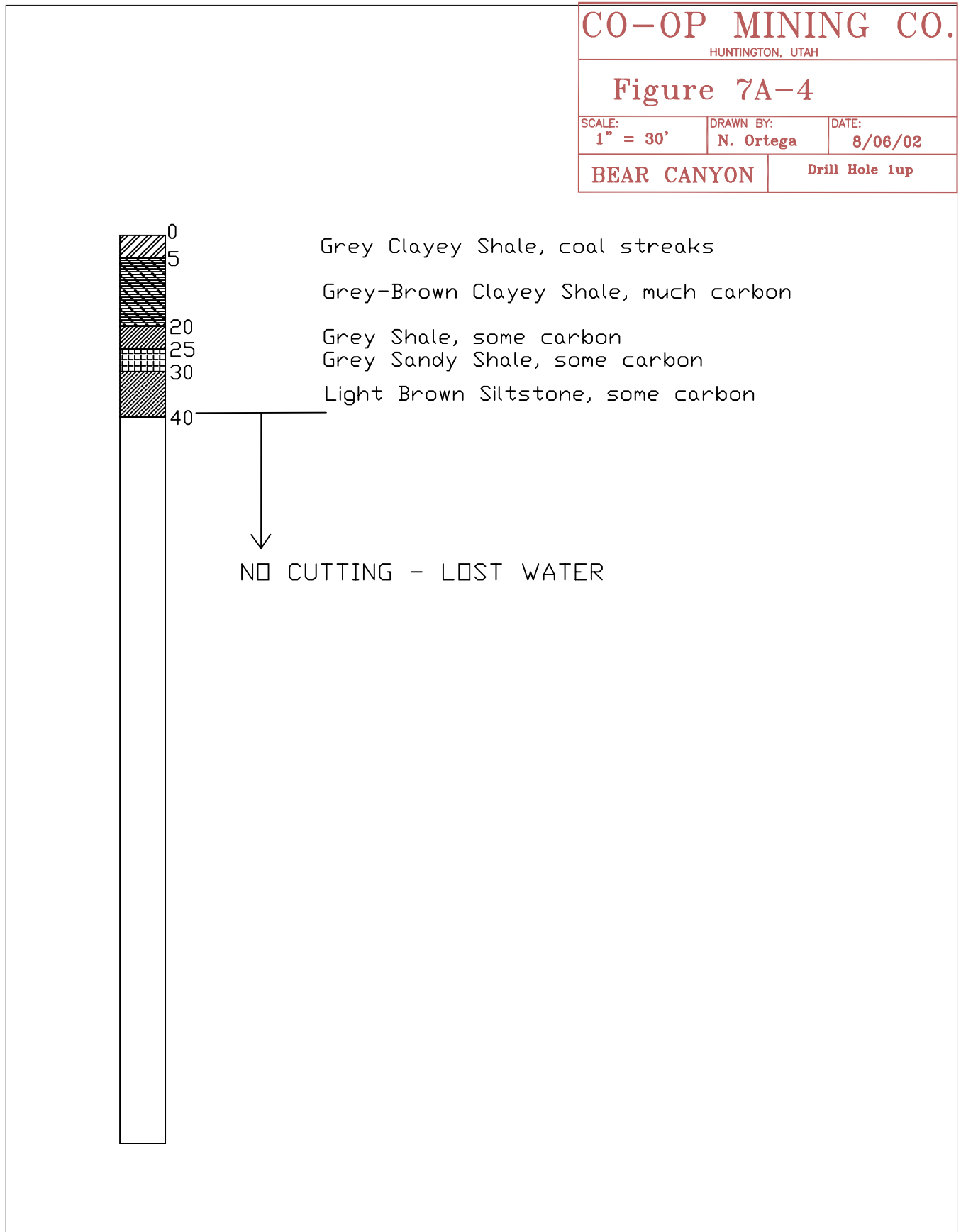


Figure 7A-4 Log, Drill Hole 6 Down

# Hole 7 Down

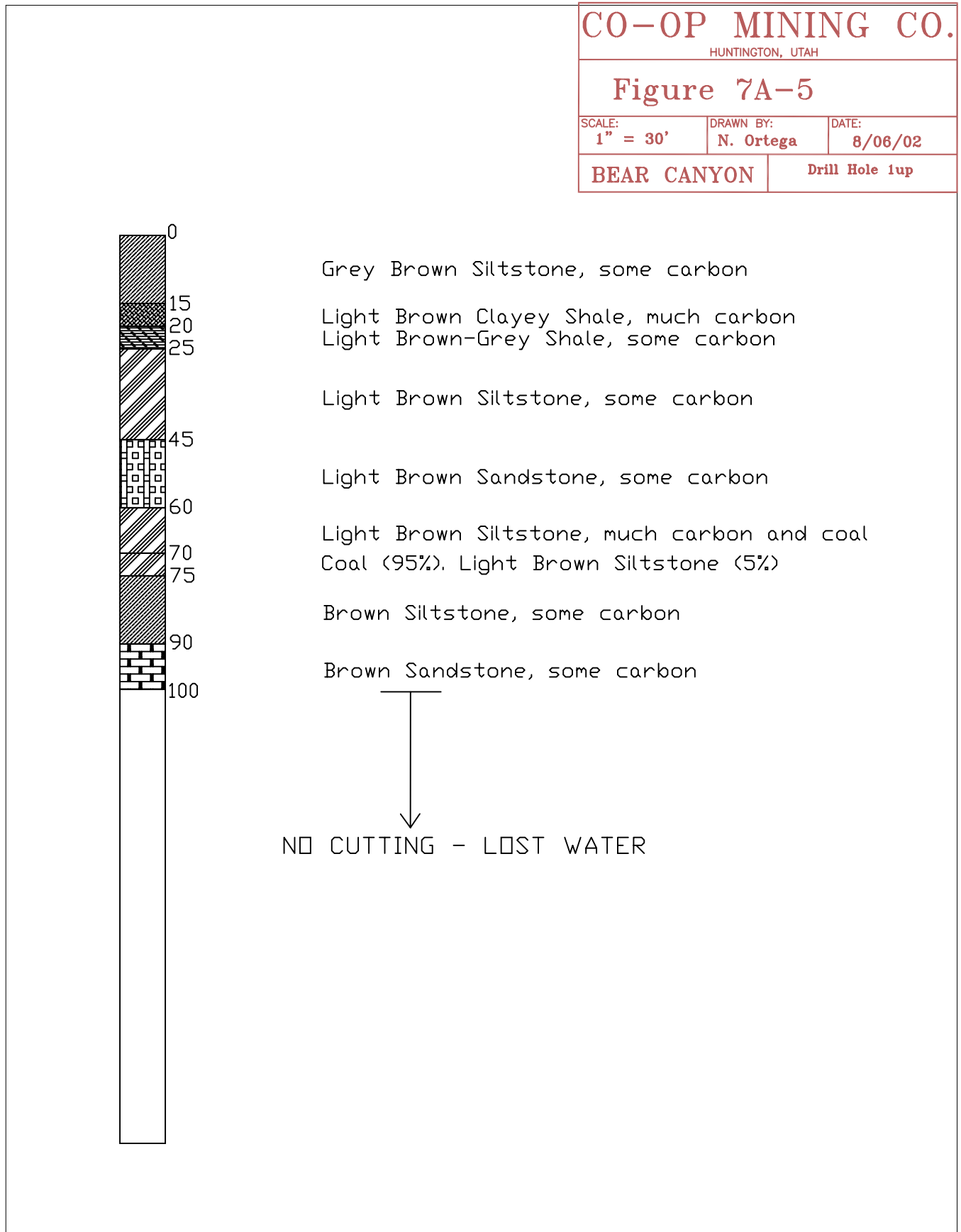


Figure 7A-5 Log, Drill Hole 7 Down

# Hole 9 Down

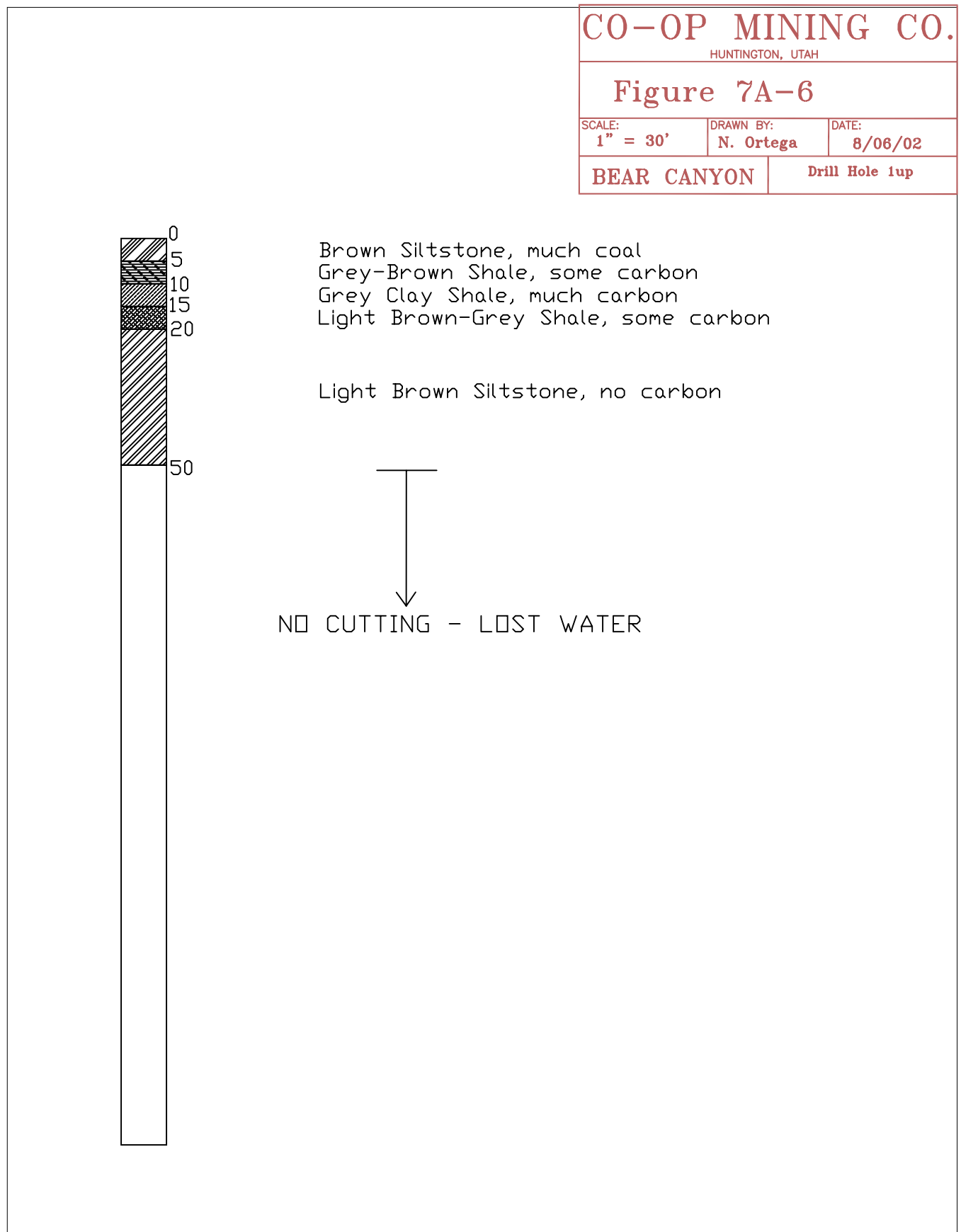


Figure 7A-6 Log, Drill Hole 9 Down

# Hole 10 Down

**CO-OP MINING CO.**

HUNTINGTON, UTAH

**Figure 7A-7**

SCALE:

1" = 30'

DRAWN BY:

N. Ortega

DATE:

8/06/02

**BEAR CANYON**

**Drill Hole 1up**



0-3 Coal

3-13 Grey Shale

13-19 Coal

19-40 Grey Shale

40 (Trace Coal)

40-65 Red Sandstone

65-70 Coal

70-200 White Sandstone

No water encountered

Figure 7A-7 Log, Drill Hole 10 Down



# Hole 11 Down

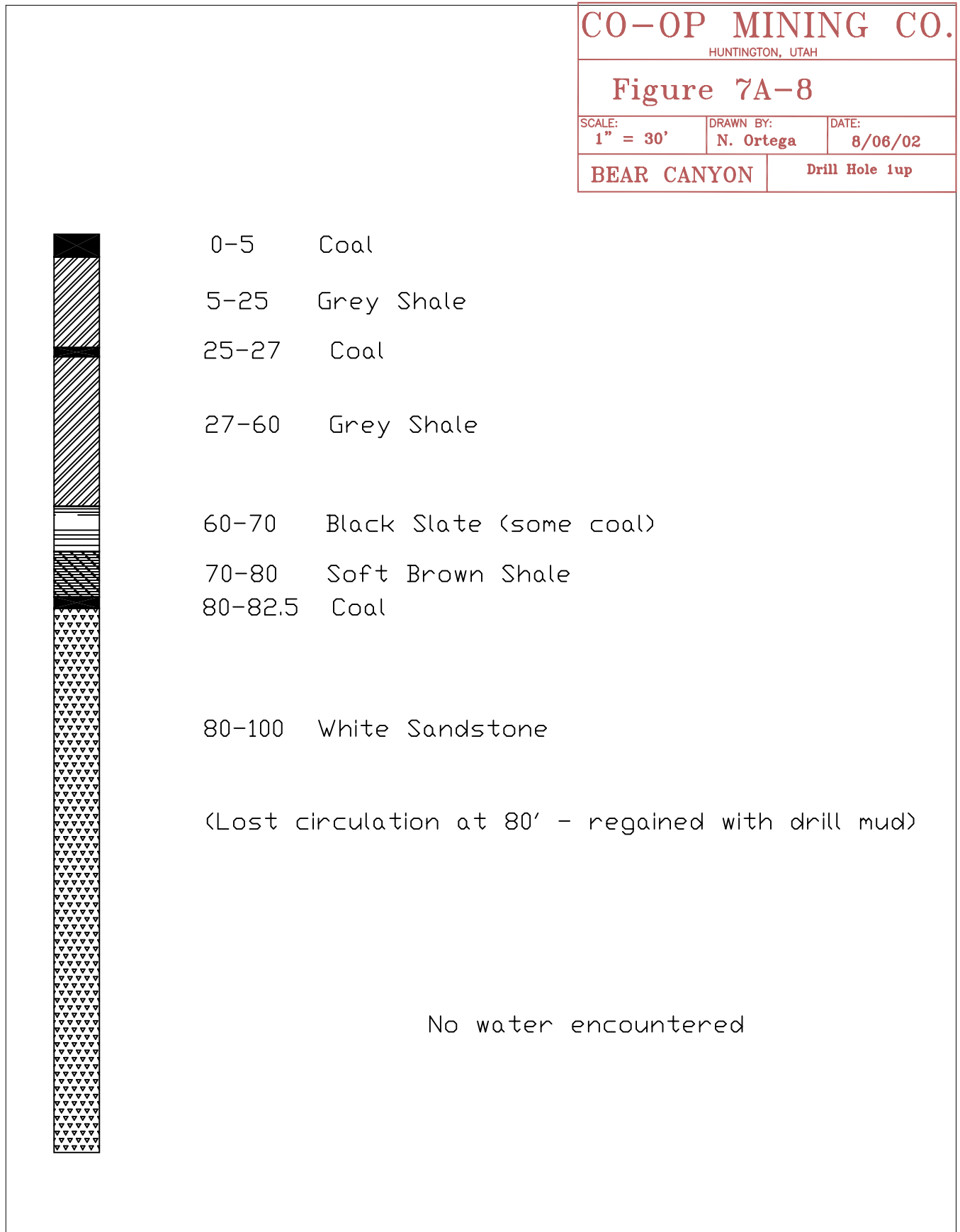


Figure 7A-8 Log, Drill Hole 11 Down

# Hole 12 Down

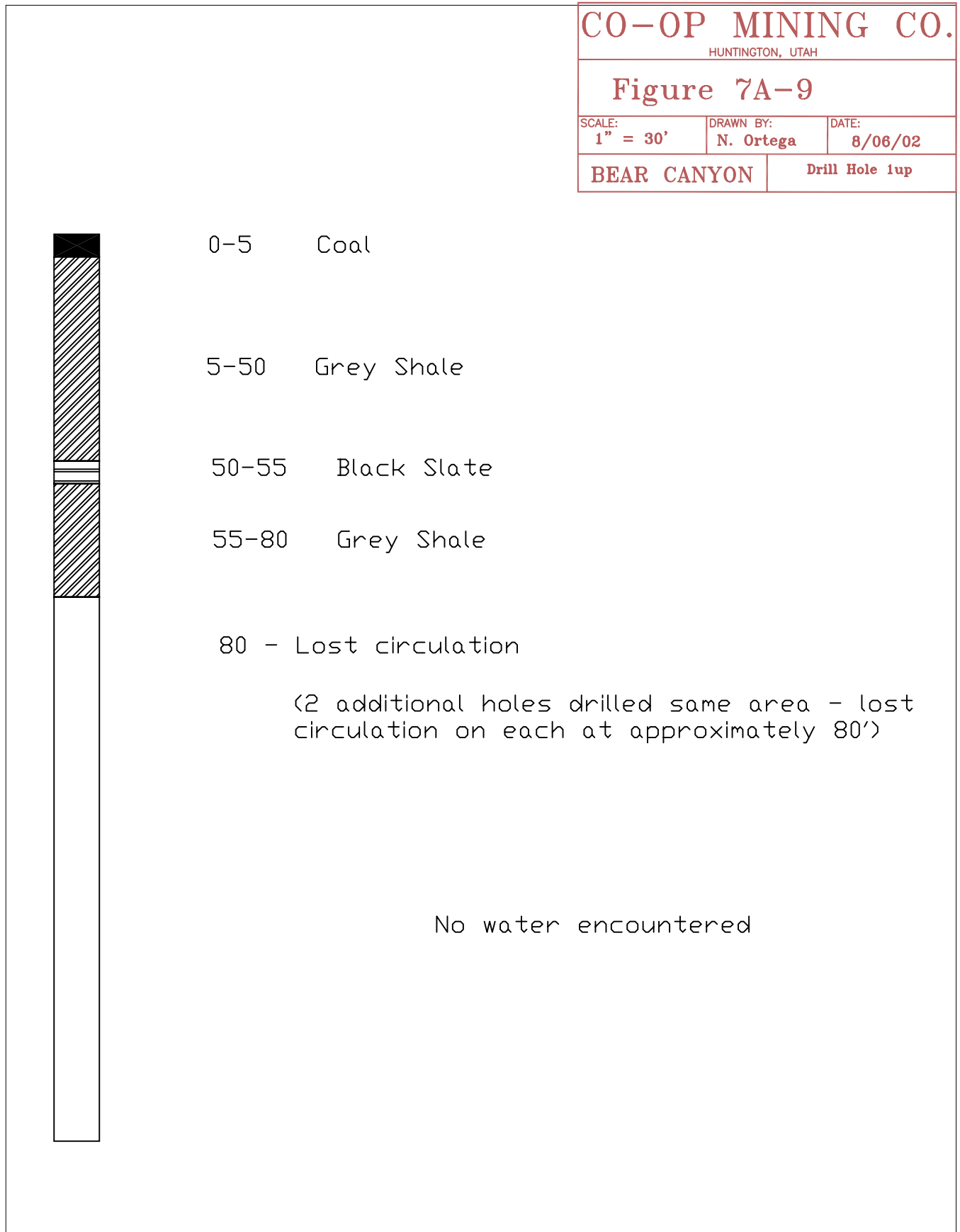


Figure 7A-9 Log, Drill Hole 12 Down

# Hole 13 Down

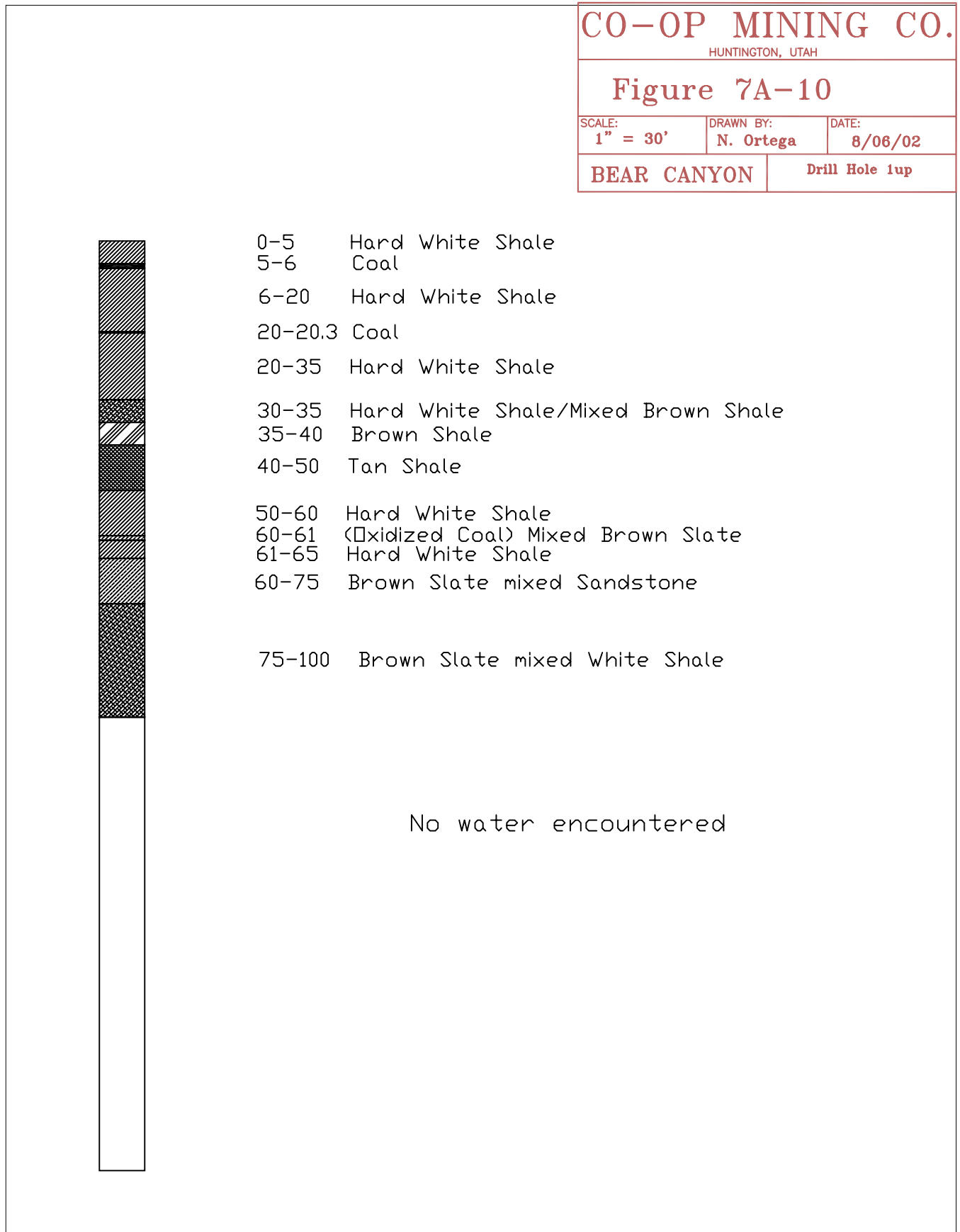


Figure 7A-10 Log, Drill Hole 13 Down

# Hole 14 Down

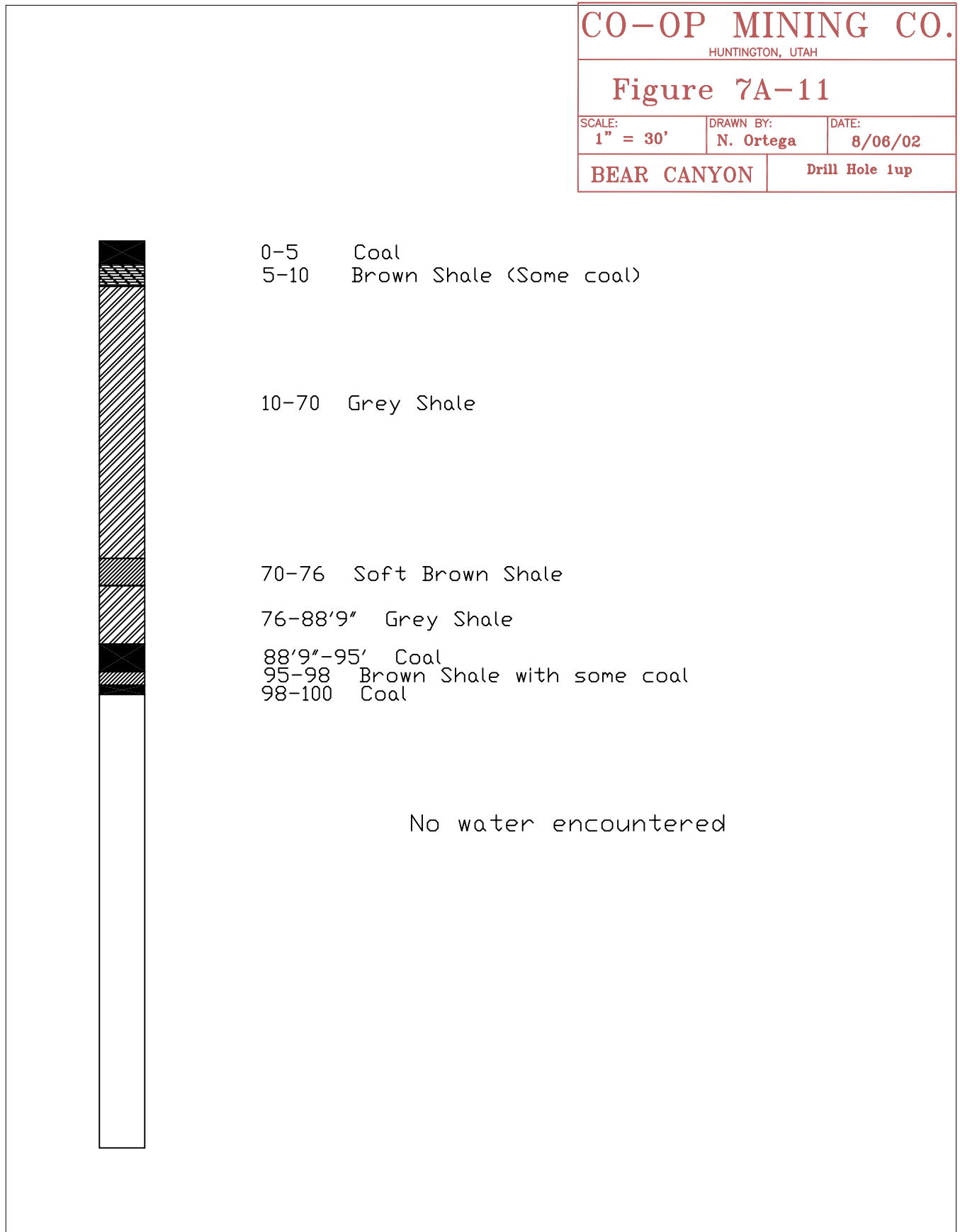


Figure 7A-11 Log, Drill Hole 14 Down

# SBC-2, SBC-3 and SBC-4

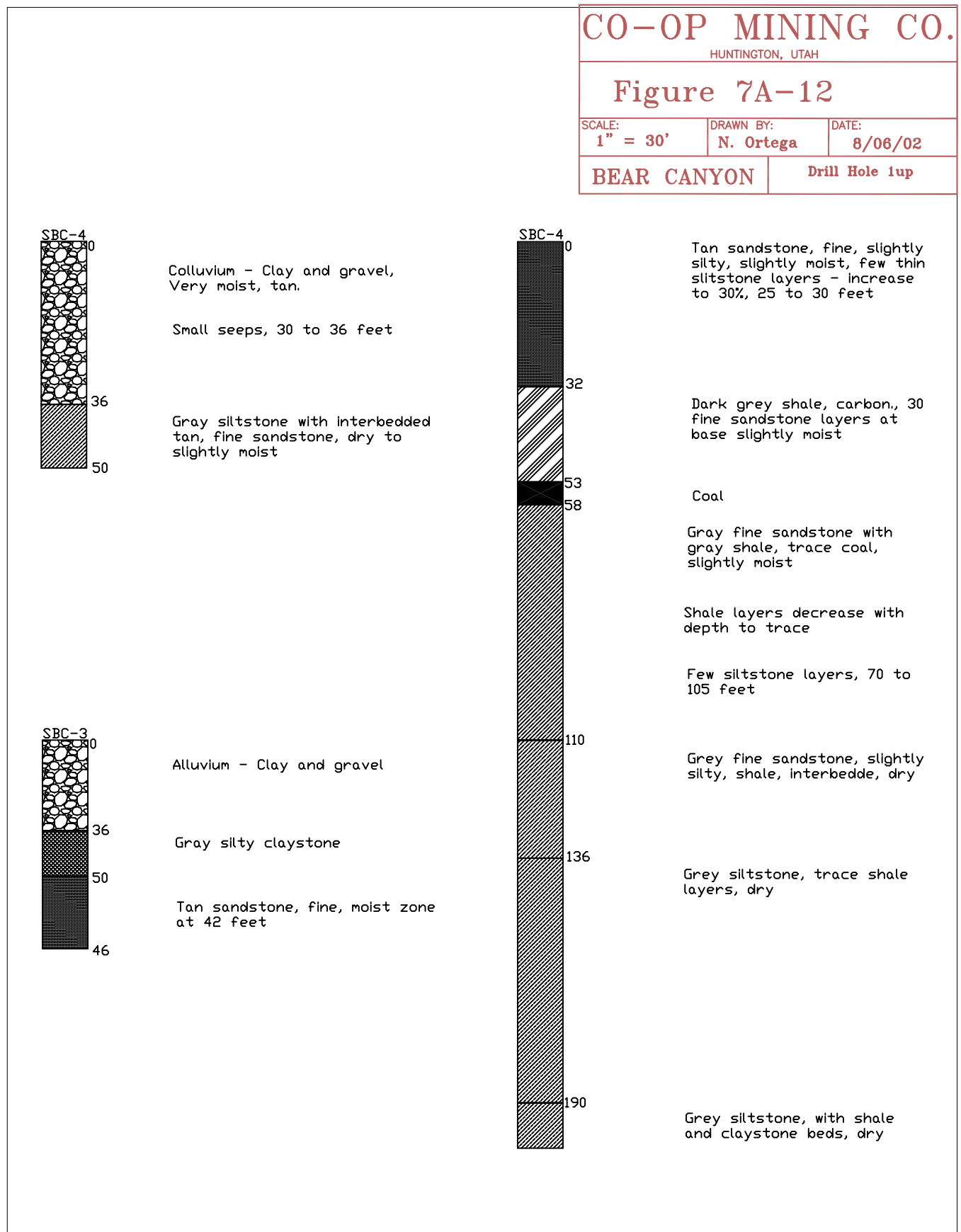


Figure 7A-12 Log, Drill Hole SBC-2, SBC-3 and SBC-4

SBC-2 (cont)

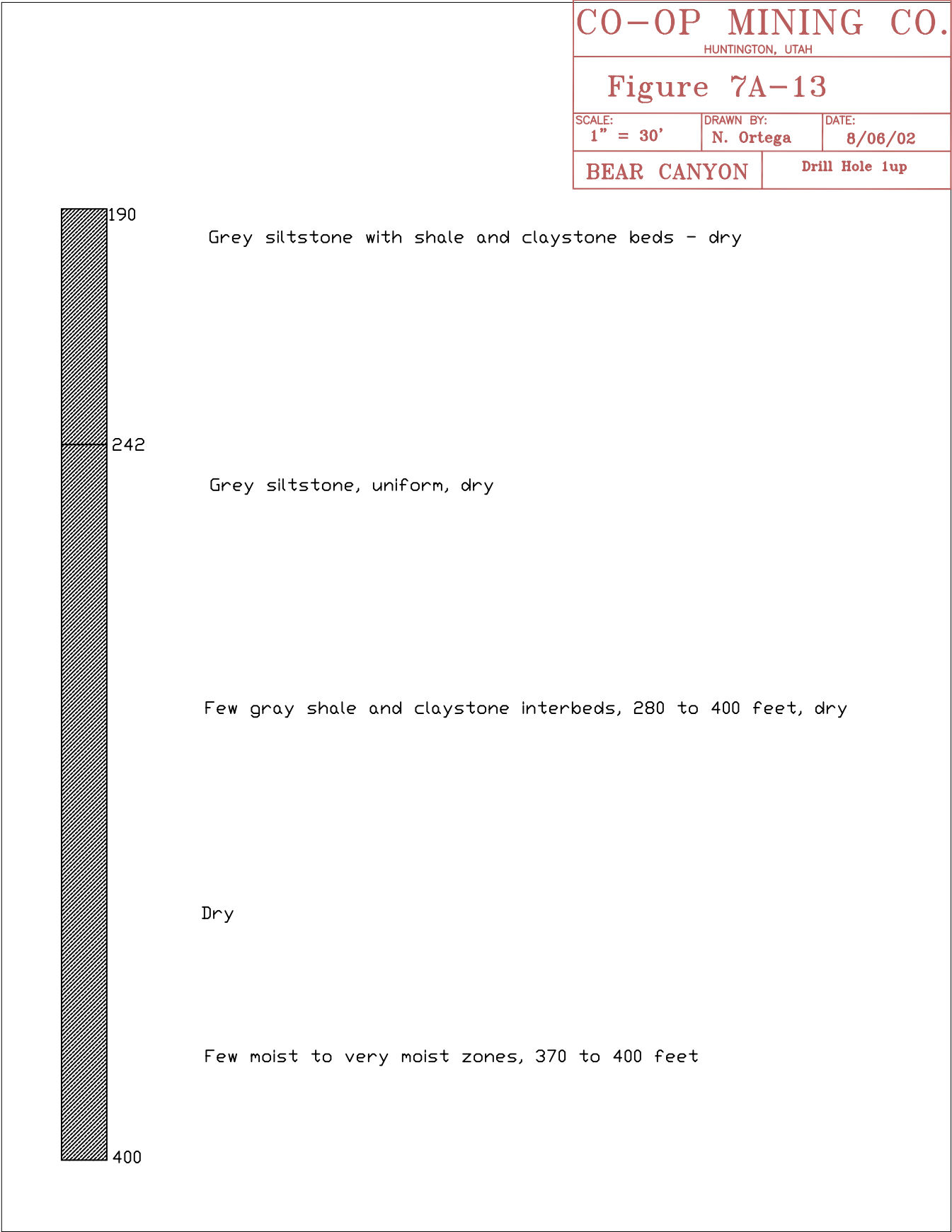


Figure 7A-13 Log, Drill Hole SBC-2 (cont)

CO-OP MINING CO.  
HUNTINGTON, UTAH

Well Completion Diagram  
SDH-1

SCALE:  
As shown

DRAWN BY:  
C. Reynolds

DATE:  
6/18/97

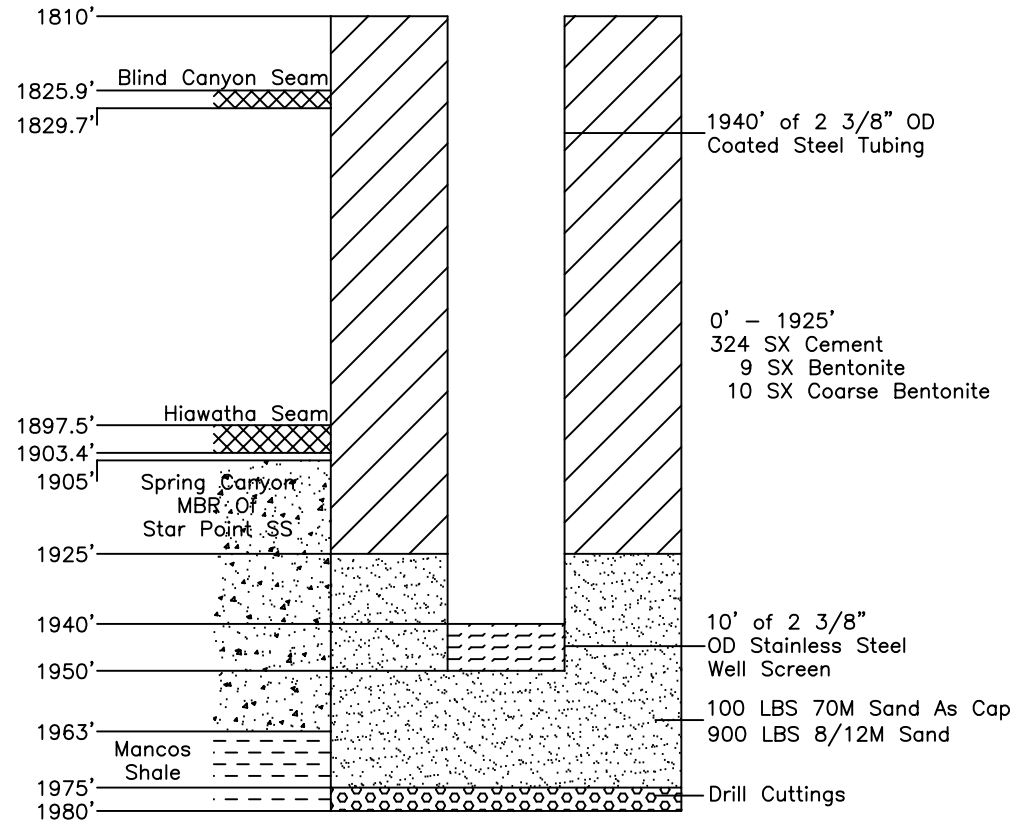
BEAR CANYON

FIGURE 7A-14

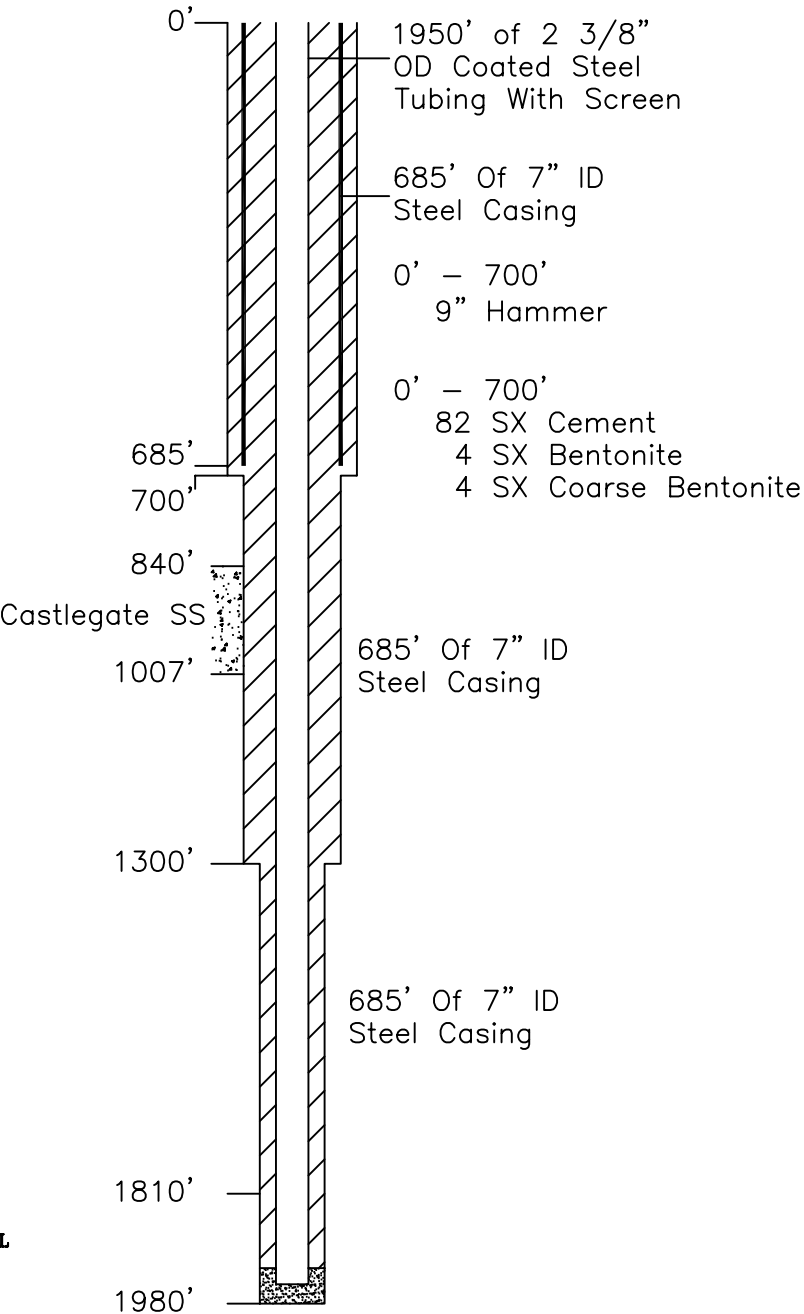
DETAIL

7A-15

8/01/02



SEE  
DETAIL  
LEFT



CO-OP MINING CO.  
HUNTINGTON, UTAH

Well Completion Diagram  
SDH-2

SCALE:  
As shown

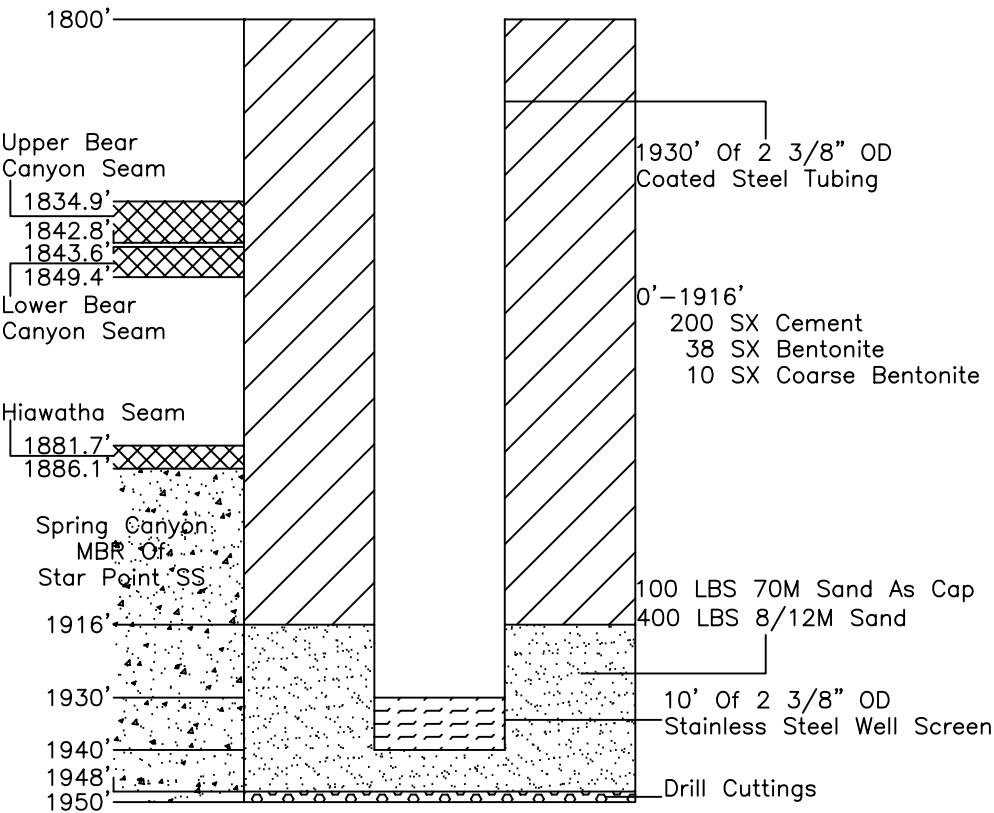
DRAWN BY:  
C. Reynolds

DATE:  
6/18/97

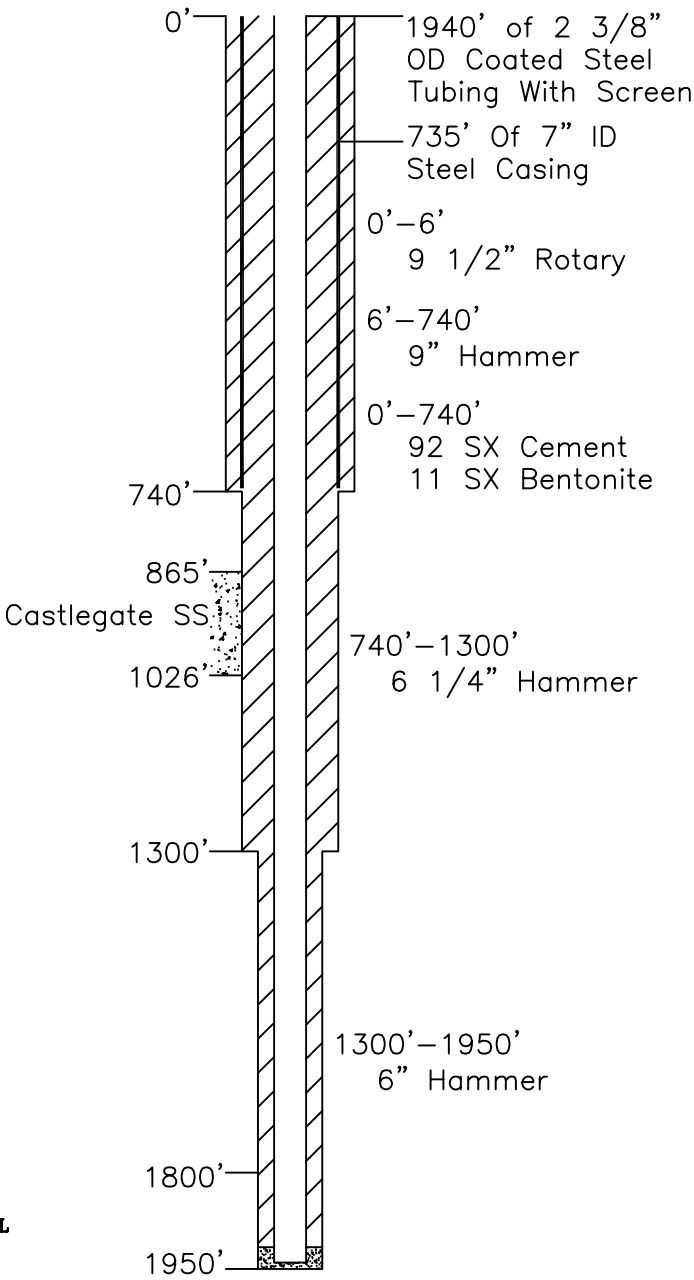
BEAR CANYON

FIGURE 7A-15

DETAIL



SEE  
DETAIL  
LEFT





B.C.

7A-17

8/01/02

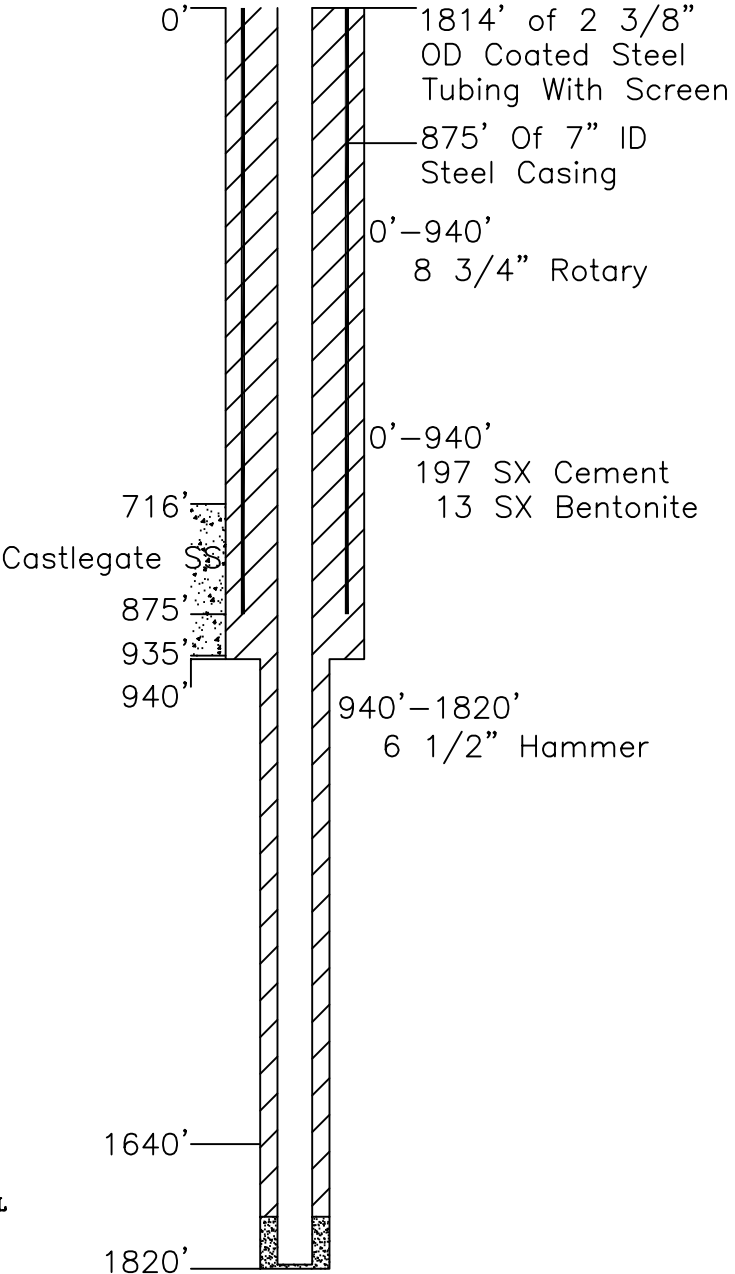
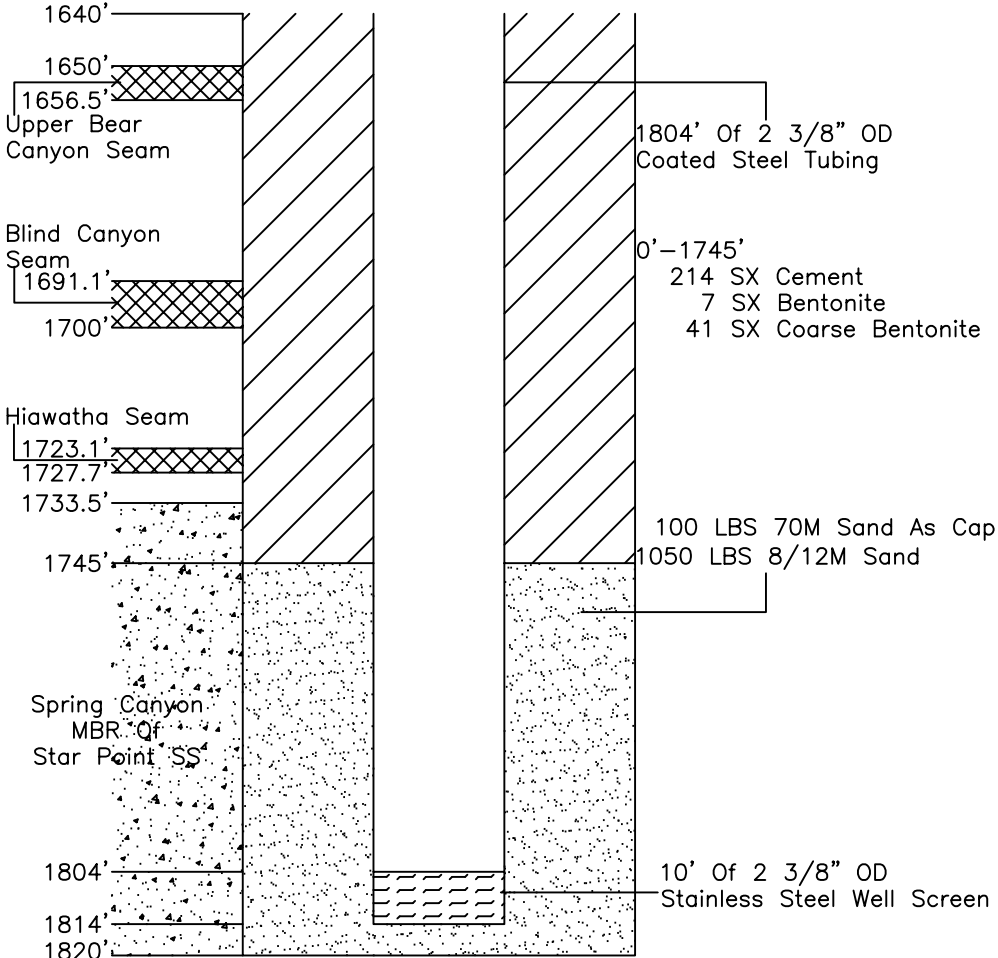
CO-OP MINING CO.  
HUNTINGTON, UTAH

Well Completion Diagram  
SDH-3

SCALE: As shown    DRAWN BY: C. Reynolds    DATE: 6/18/97

BEAR CANYON    FIGURE 7A-16

DETAIL



SEE  
DETAIL  
LEFT

B.C.

7A-18

8/01/02

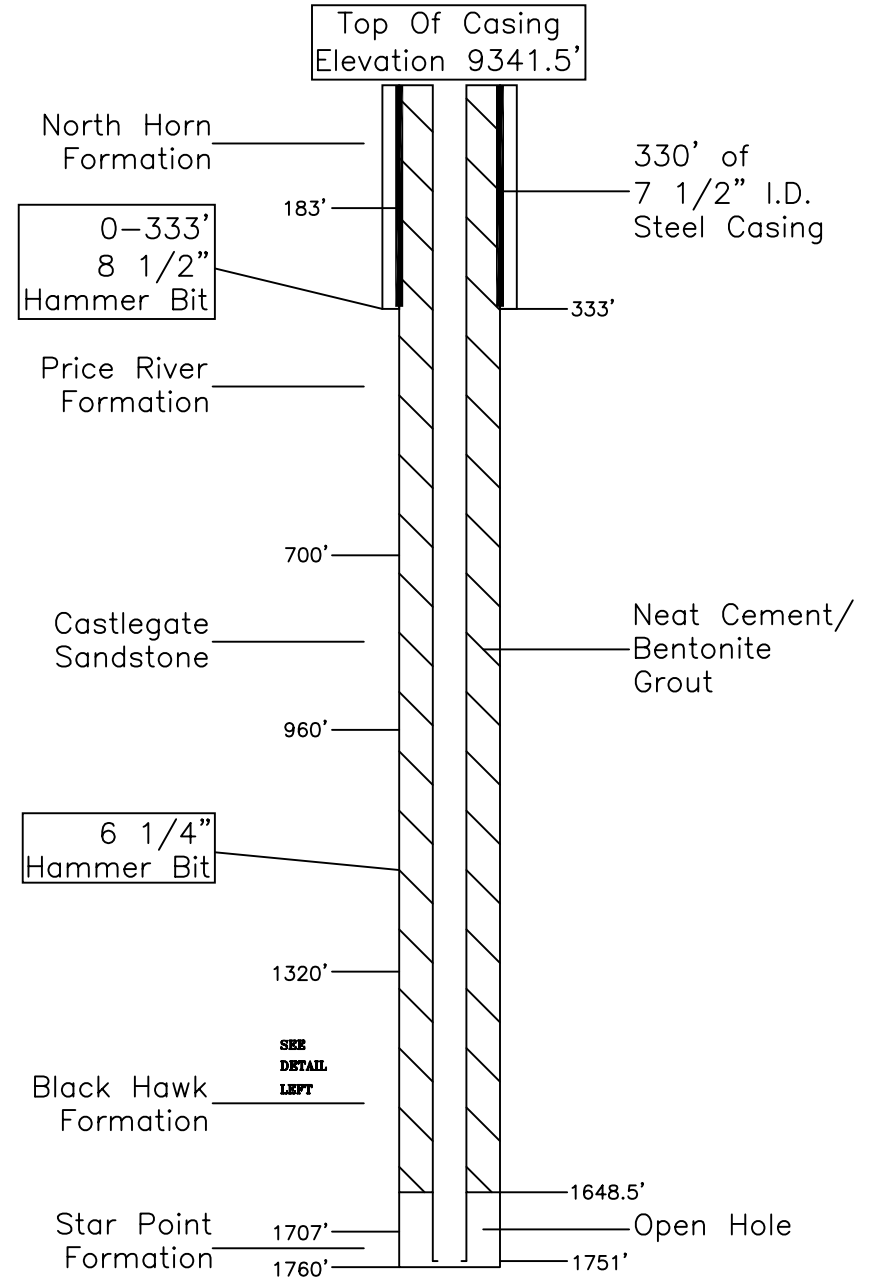
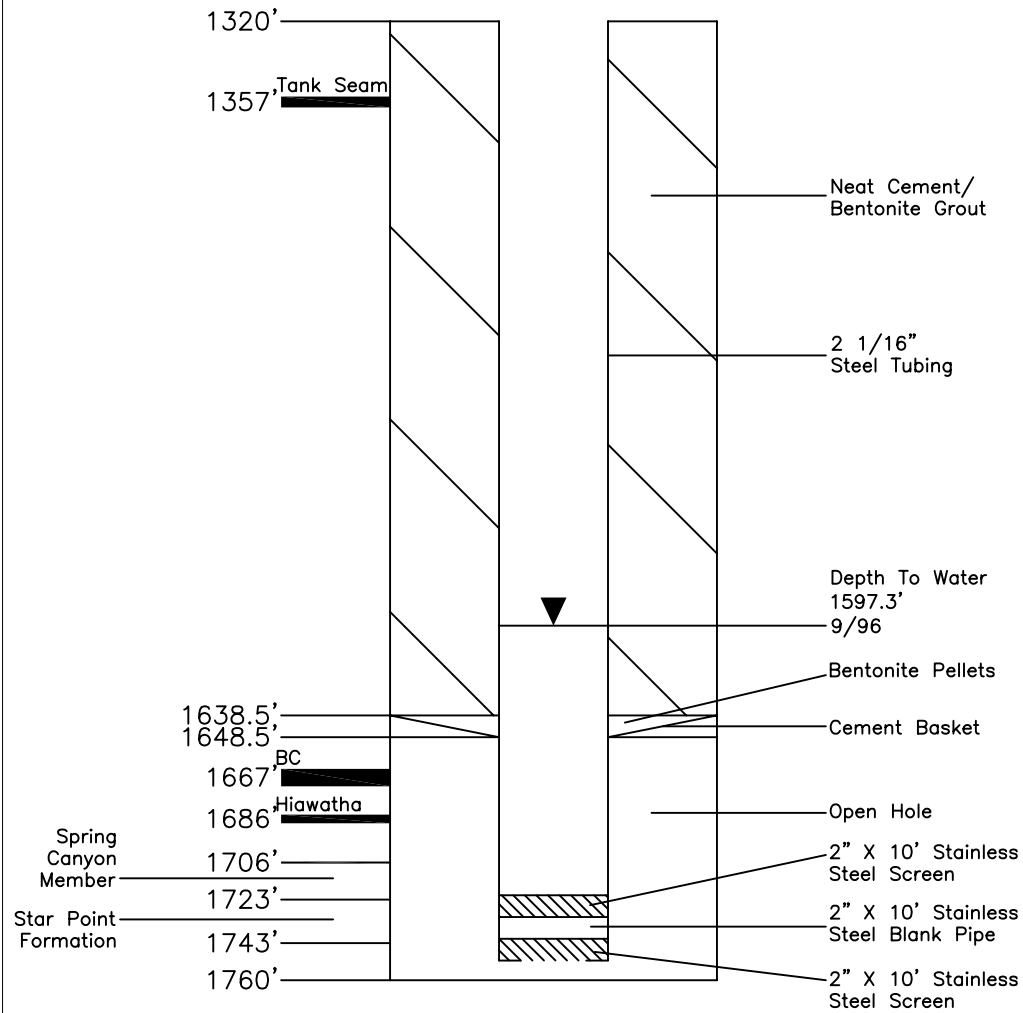
CO-OP MINING CO.  
HUNTINGTON, UTAH

Well Completion Diagram  
MW-116

SCALE: As shown    DRAWN BY: C. Reynolds    DATE: 6/18/97

BEAR CANYON    FIGURE 7A-17

DETAIL



CO-OP MINING CO.

HUNTINGTON, UTAH

Well Completion Diagram

MW-117

SCALE: As shown

DRAWN BY: C. Reynolds

DATE: 6/18/97

BEAR CANYON

FIGURE 7A-18

DETAIL

